Ocean 2014 is here!

A major update of Ocean is now available with a lot of new features.

Release: 2013.11.29.120

- Support for the new and improved Black Piranha. If you have a red Piranha, Ocean 2014 will automatically upgrade the firmware and make it ready to be used with Ocean 2014!
- New Quick Check function suitable for tablets – with plug-and-play
- New interface when working with Excel – Ocean 2014 minimizes when used with Excel
- Support for new and improved mammography calibrations
- Extended AGD calculations
- Easier to measure on fluoroscopy
- Improved report functions
- Improved checklists
- Improved Bluetooth handling
- and much more….

Note: Ocean 2014 works only with Piranha.

If you use Barracuda or if you can't or don't want to upgrade a service release for Ocean is available to you.

Release: 2013.12.04.94

This is a service release of Ocean. It is compatible with Barracuda and Piranha with firmware version 3.X. It is recommended to upgrade due to a potential database problem in older versions.

cont.

Content

OCEAN VERSION HISTORY **3**
2013.11.29.92 AND 2013.12.04.94 (CURRENT VERSION) 3
Known limitations *3*
New features *3*
Fixed problems *3*
2013.03.18.86 4
Known limitations *4*
New features *4*
Fixed problems *4*
2013.01.14.85 5
Known limitations *5*
New features *5*
Fixed problems *5*
2012.10.26.84 AND 2012.10.02.83 6
Known limitations *6*
New features *6*
Fixed problems *7*
2012.05.09.82 7
Known limitations *8*
New features *8*
Fixed problems *8*
2012.03.08.78 9
Known limitations *9*
New features *9*
Fixed problems *9*
2012.02.17.74 10
Known limitations *10*
New features *10*
Fixed problems *11*
2011.08.11.60 13
New features *13*
Fixed problems *14*
VERSION 2011.02.28.52 15
New features *15*
Fixed problems *17*
VERSION 2010.12.15.38 19
New features *19*
Fixed problems *19*
VERSION 2010.11.30.37 19
VERSION 2010.11.23.33 19

Ocean version history

2013.11.29.92 and 2013.12.04.94 (current version)

This is a service release to be used with Barracuda and Piranha with firmware version 3.X or lower.

Known limitations

Description
Don’t use the Cancel button in the upper right corner to close the Detector Selection wizard. This may cause wrong detector to be selected.

New features

Issue #	Description
n/a	No new features in this release

Fixed problems

The following problems have been fixed:

Issue #	Description
5519	Redirecting Excel export to a new file doesn’t work entirely correctly
5614	Internal error when Excels past column AYZ
5613	BQ setting not found for detector
5607	Date format is not consistent
5737	Capture button is not working
5831	Measurement record ID number problem
5832	Detector selection screen allows OK even if no selection
5977	Improve database restructuring
6045	Intermittent database corruption
6095	Barracuda is not recognized correctly

2013.03.18.86

This is a service release to fix a problem related to the CT dose profiler and measurements in phantom. Please read more below.

Known limitations

Description
Don't use the Cancel button in the upper right corner to close the Detector Selection wizard. This may cause wrong detector to be selected.

New features

Issue #	Description
n/a	No new features in this release

Fixed problems

The following problems have been fixed:

Issue #	Description
5527	Crash when selecting items in the database tree after import.
5548	Problem with generator model/name selection
5519	Potential problem when reselecting an office (Excel or OpenOffice) export file
5554	Crash when using min/max analysis if none column is set to "use for analysis"

2013.01.14.85

This release mainly adds support for the RTI Mover and a few other improvements. It fixes some minor problems that have been reported.

Known limitations

Description
Don't use the Cancel button in the upper right corner to close the Detector Selection wizard. This may cause wrong detector to be selected.

New features

Issue #	Description
4982	Skip detector calibration selection if there is only one choice.
5275	Make it possible to exclude selected set values from protection.
5322	Make it possible to reverse data direction for linked cells (read data from Excel into Ocean)
5345	Add a new formula Sum(column)
5418	Add RTI Mover support
5444	Expand the reproducibility analysis
5477	Make it possible to use the pass and fail colors for evaluated parameters
5483	Change analysis to calculate columns even if values are not evaluated
5491	Let checklists have a default analysis
5493	Allow multiple instances of Min/Max and Reproducibility analysis

Fixed problems

The following problems have been fixed:

Issue #	Description
5181	can have AV during ocean start with auto-favorite
5248	Range check error while saving document
5328	AV after delete
5350	Enhance status bar indication
5353	Auto-close position check for long exposures
5378	Auto-close position check is not disabled for long exposures
5392	After normal mode position check, italics may remain
5398	Remove the text about "agreement expires" on Meter Information
5400	Could not convert variant type
5407	Access violation during Ocean exit
5421	CTDP free-in-air dose profile sharpening: avoid sharpening if it is a pulsed waveform
5427	Length limit of document is not enforced.
5431	Unspecified error.
5435	Large database: expanding node can be very slow.
5446	Crash when closing a document while it is opening or activating
5452	Memo column not updated after memo edited
5462	Do not rounding of numbers entered as limit in checklists
5488	CTDI DLP limits not checked

2012.10.26.84 and 2012.10.02.83

This release is an update of 2012.10.02.83. It fixes some minor problems that were discovered in this release:

- Not possible to leave a field blank in the Content section of the report layout.
- The main window didn't resize properly
- The Problem to use an existing Excel file as "Free workbook"

Known limitations

Description
Don't use the Cancel button in the upper right corner to close the Detector Selection wizard. This may cause wrong detector to be selected.

New features

Issue #	Description
4468	Add the macro $TargetFiler to the CTDI analysis.
4469	Make the Calibration column available for DLP (CT Exposure) and DAP
4599	Make it possible to use "1-shot mammo HVL" for the AGD analysis
4670	Show a message when a signed session is opened. Offer a possibility to remove the signature.
4708	Add a system that warns if the dose reading from the external dose probe (R100-type probes and T20) are uncompensated or if an optimal compensation was not found. This feature is turned off by default. You can turn it on in Program options -> Preferences.
4952 5250	Make it possible to import site information from an Excel or Calc workbook.
4988 5010	New user-interface for the database (Measurements and Library). You now find these tabs at the top of the screen instead of the left side.
4997	Make it possible to reorder, omit and change titles for sections in the report
5001	Add an exposure assistant. This is a function that "looks" at measured values during long exposures (fluoro and light measurements). When data are stable measured values are acquired and you are asked to turn off the exposure.
5007	Make it possible to update site information in finished sessions with new information from the database.
5144	Add expand/collapse to the database tree right-click menu.
5183	Add the unit Gy/min.
5196	Add auto-close for the position check (only available for short exposures, < 2sec)
5198 5249 5250 5270	Add new functions: Abs(x), Min(x), Max(x), HasValue(x), Poly(x; cCn;…;C1;C0)
5203	Make it possible to change name for the embedded/associated file.
5229	Make it possible to turn off the input dialogue for individual rows.
5240	Make it possible to change/translate all texts that appear in the report.
5276	Make it possible to change background/font color in individual cells.
5293	Add report template for Real-Time Display templates
5309	Make it possible to browser for a new workbook if the associated one isn't found.
5321	Take "Direction" (Down/Across) into account when creating links to Excel.
5326	Make it possible to use any combination of mAs, mA * time, measured or Set value when doing the mA linearity analysis.
5376	Remove hints for the ribbon bar since they sometimes hide the information on the status bar.

Fixed problems

The following problems have been fixed:

Issue #	Description
4027	Defualt choice for user-defined question is not shown
4133	Cells marked as “Don’t show” should be totally ignored for example be excluded from analysis, export and report.
4203	Confusing behavior when starting a session on a site that doesn’t have a tube.
4436	Crash: cannot focus on a disabled or invisible window.
4470	Ananlysis sent to Excel/Calc are wrapped if it is in a table.
4486	Waveform indication for delay and window can be wrong.
4566	Analysis exposure is very slow.
4571	The actual paper width is not used whne printing the grid in the report.
4672	Make analysis setup more consistent.
4840	Confusing behavior when modifying an analysis.
4854	It is not possible to use a CT ion chamber if it is calibrated in a exposure unit instead of a exposure-length unit.
4930	Improve import of examples. It should be possible to import new examples without losing existing examples.
4984	Make the Sign button toggle between Sign and Unsign.
4987	Improve formula editor not to move around cursor.
5064	Crash: Access violation at address 004ACD21 in module 'Ocean.exe’.
5074	Range check error in analysis.
5076	formulae do not work if they contain references to a different decimal separator.
5171	Make formulae calculation faster.
5160	Reset is not disabled during RESET.
5169	Problem with waveforms if exposure times are longer than 30 seconds.
5197	Problem if “Large fonts” is selected in Windows.
5215	Crash: Invalid float point operation.
5219	SetAddedHVLFiltr is allowed in General settings and columns at the same time.
5220	Crash: AV when using trend analysis.
5224	PDF file is deleted upon close.
5227	“Duplicate row” should also create analysis if the duplicated row has a “one-row analysis”.
5230	Cancel should not through away data.
5238	Paper size stored in report can be wrong.
5239	Set time default unit is “sec” in general settings, it should be “ms”.
5272	Crash: C:\tmp\10694 release\Src2009_70\Meas\uExpList.pas, line 19496
5279	Crash: Select method of Worksheet class failed.
5289	Not possible to have "Set time" in general settings and get "Time diff %" calculated.
5291	Send data button is not enabled for sessions.
5298	Crash: OLE error 800AC472.
5304	accuracy analysis not used for diff%, diff on some column types.
5315	Checklist status my be wrong on the summary page
5325	Crash: Cannot create file "C:\Documents and Settings\All Users\Application Data\RTI Electronics\Ocean\OceanSetup.ini"
5331	RTD equipment may not appear in the report even though the section is selected as visible

2012.05.09.82

This release is a service release.

Known limitations

Description
If you start a new session by using “New” from an existing session in the same room, Ocean will not ask you to select new equipment. Make sure that the tube and generator selected is the one you intend to test. If not, select new equipment for the test.
Don’t use the Cancel button in the upper right corner to close the Detector Selection wizard. This may cause wrong detector to be selected.

New features

Issue #	Description
5023	A check for uniqueness of ID is added It is now possible to quickly check if ID numbers in the database are unique.
5123	Default number of decimals is changed for Free Numeric Set, Free Measued and Free Diff column.
5120	It is now possible to use Set Temperature and Set Pressure columns in Display to allow TP correction.
5020	New function: Update session site information This function makes it possible to update a completed session with new Site information from the database.
5106	The CT Dose Profiler is now available to select for modality Dental and Mammography
4943	Improved import of RTI Examples It is now easier to reload or load new RTI Examples (done from Help -> Import Examples). No multiple folders are now created.
5038	The name for the CT calibration “GEVCT” is changed to “GECT”

Fixed problems

The following problems have been fixed:

Issue #	Description
5142	Unit conversion problem in the Reproducibility analysis The limit value for “Maximum standard deviation” was affected when changing between R and Gy.
5073	Crash in analysis: pass/fail colors are invalid.
5075	Formula fails if it contains references to values with different decimal separator.
4562	Crash when adding many analysis (approx. 15) to the same test.
5056	Crash: AV in TfrmMeas. CheckTimer.
5085	Crash: Code C6B5-4B18.
5148	Import form Ortigo have incorrect Tube usage information.
4996	DCT10 ion chamber is not available in Keyboard mode when designing templates for Piranha.
5078	In some situations are facility, department, room and equipment ID not case sensitive.
5161	Equipment selection for a test is erased if “Clear all” is used.
5162	“New session” from a existing session resets equipment info to a generic generator and tube selection.

2012.03.08.78

This release is a service release and has just some minor fixes compared to the release 2012.02.17.74.

Known limitations

Description
Don't use the Cancel button in the upper right corner to close the Detector Selection wizard. This may cause wrong detector to be selected.

New features

Issue #	Description
4944	Show a warning when opening a signed session.

Fixed problems

The following problems have been fixed:

Issue #	Description
4974	Crash if the facility name is blank.
4966	TExpInfo: BQ setting not found for detector.
4960	Added filtration values are erased when changing detector in Keyboard mode.
4936	Modification of the waveform correction algorithm for the "CTDP(helical scan/free-in-air)" analysis.

2012.02.17.74

Known limitations

Description
Don't use the Cancel button in the upper right corner to close the Detector Selection wizard. This may cause wrong detector to be selected.

New features

The following new features have been added:

Issue #	Description
4350 4518	Signing feature for session. You can now sign the report. Image file and password is available. You can use this to control work-flow by setting "Signature required" in the report template. You will then get a warning if you print or export a session that isn't signed.
4441	Show an input dialogue for the user-input columns to make it easier when measured data are entered from the keyboard. This feature can by turned on/off by right-clicking on the column heading.
4474	PAUS button is added. This button can be hit when you want to prevent the meter from measure and Ocean to get irrelevant data.
4475	Make it possible to copy templates directly from history into current session.
4476	Make it possible to hide tests or checklists in a session. This is convenient when you have test or checklists in a session but you don't use them every time. You can easily hide those you don't use. It will be like they were deleted but the still exists and you can quickly unhide when you need it.
4477	Make it possible to defined and save different type of report layouts. A report layout contains information about header/footer/printer type/content and so on.
4495	Make user-defined names for columns show up in the measurement setup. This makes it easier to identify when there are several columns of the same type (but with different heading).
4496	Show the test names in the History.
4497	Update of inherent filtration, waveform type and compr.paddle thickness. If user chanhes these values during measurement Ocean asks if they should be updated and used also for other tests.
4500	Add a Schedule function that makes it possible to schedule room inspections.
4503	Ocean should ask, if someone makes an exposure in Design mode, if continue with Design mode (measured data are not stored) or switch over to Log mode (measured data are stored).
4504	Make it possible to edit a Favorite description.
4506	Make it possible to permanently hide windows. The status af hidden windows are saved when the test or checklist is saved. A button is also added "Restore windows", to be able to restore hidden windows.
4519	Make it possible to use normalized exposure and exposure rate values in analysis.
4544 4545	Make it possible to attach a spreadsheet to a test.
4549	Make it possible to use user-defined values in analysis (Accuracy, Reproducibility and Man/Max).
4550	Make it easier to see and set waveform status directly in the grid.
4558	Show "Needs attention" instead of "Pass" for checklist.
4575	Add DLP to the CTDI analysis.
4576	Add low pass (smoothing) filtration to the waveform (noise reduction)
4577 4580 4610 4626	Add support for the CT Dose Profiler probe. Two new analysis, CTDI(helical scan/in phantom) and CTDI(helical scan/free-in-air), are added.
4642	Improve what Ocean shows when columns are missing in an analysis.
4651	Add Boolean operators to the user calculation formula.

4687	Show generator and tube name with the session name for easier identification.
4689	Add support for the Piranha Chamber Adapter.
4713	Add support for the GE CESM (Mo/Cu/Al) and (Rh/Cu/Al).
4724	Make it possible to assign a user-defined formula to an individual cell.
4774	Pulsed fluoroscopy added as new modality in measurement setup wizard.
4827	Energy correction for T20 is implemented for beam quality R1 and R3.
4908	Automatically scroll the analysis window when a row has an analysis that only used one row.

Fixed problems

The following problems have been fixed:

Issue #	Description
4161	Print preview crashes if no printer is installed
4453	Improve the layout for Program Options
4489	Ocean crashes when doing instant trend for “Quich HVL” analysis
4490	Crash during import
4494	Free fields on summary page are not updated
4502	Incorrect waveform for dose rate. Cursor values shown on the waveform data panel are sometimes incorrect. NOTE: This has not affected the accuracy of measured values reported in the grid or in displays. Only cursor values shown on the waveform data panel is affected by this issue.
4508	The last answer in a checklist is not recorded when the finish button is hit.
4520 4521	Crash when exporting to Excel on a Netbook
4523	Don’t allow drag and drop of displays when template is protected.
4524	Assertion failure - crash
4525	Modification of comment text on the summary page is not recognized as a change.
4528	“Save changes” dialogue can appear even if no changes has been done.
4530	Hint icon is shown in the PDF document.
4532	Detector selection dialogue is not always shown in a correct way.
4533	Display size names are not consistent (different names shown in right-click menu and ribbon bar)
4534	Assertion failure - crash
4536	Assertion failure in the docking library
4537	“Save as” sometimes overwrite and sometimes not.
4538	Site import doesn’t update site data correctly
4539	Site information panel under Measurements tree is too short
4540	Crash when associating an Excel file
4548	Can’t close after completing a free run or timed mode measurement
4557	Unit change in General Settings is not saved.
4561	AV error - crash
4562	Data provider returned FALSE. The maximum number of analysis in a test is increased.
4563	AV error when main form closes.
4565 4607	Min/Max analysis gives an error if used for user-calc column.
4570	Unexpected DataStorageLocation. (when adding mAs linearity analysis)
4586	AV error – crash.
4603	Lag in show/hide of Measurement mode-related fields.
4612	Tube frame´s “Tube usage” incorrectly reverts to radiography when using RTD template
4633	Waveform disappearing from Excel (Office 2010).
4654	Improve formatting of checklists.

4669	Remove incorrect shown unit from Pitch column.
4675	Problem with single row analysis when adding rows.
4676	Unexpected TFluoroExpStatus – crashes during long fluoro measurements.
4679	AV error – crash.
4680	AV error – crash.
4682	Multiple selection of rows not always works correctly.
4693	The “Update all rows” button (analysis) are sometimes not visible.
4594	All rows are not changed when marking all rows and modifying analysis limits.
4695	It is not possible to delete “Examples(RTI)”.
4701	AV in checklist - crash
4723	MAS-3B and Piranha MAS-3B are not visible in Ocean.
4739	Time out in Timed Mode if post delay is set to 2000 ms or longer.
4745	AGD analysis doesn’t follow “use for analysis” setting
4749	Assertion failure - crash
4764	Crash if Pitch column is removed from a test with CTDI analysis
4768	Meter can fail to measure
4788	Crash if large documents are attached to a test (or real-time display)
4811	Incorrect Set kV used to determine acceptance limits in the HVL analysis (only occur if more than one HVL analysis is used in the same test).
4853	Trend is not generated in the correct way.
4871	CT related units should be kept in metric regardless of setup wizard.
4876	Values entered in Added filtration column are erased when detector is set to “keyboard”.
4888	Don’t’ show waveforms for parameters that isn’t measured.

2011.08.11.60

New features

The following new features have been added:

Issue #	Description
4343	Export a complete session to a workbook It is now possible to send a complete session to Excel or Calc. A new button is available on the Data link page on the ribbon bar. Read more on this in the topic **Send a session**.
4344	Include waveforms when sending data to Excel The exporet of data to Excel or Calc now includes waveforms. Read more on this in topic **Send a test, checklist or real-time display.**
4345	Remove links automatically Remove links automatically when a an embedded or associated workbook is removed.
4346	Add predefined functions for the user-defined calculation It is now much easier to enter user-defined calculations and to reference columns and individual cells. Read more on this in the topic **Add a user calculation**.
4355	Add user-defined header and footer to the report pages It is now possible to make user-defined headers and footers for the report that includes text and pictures. Read more on this in topic **Header and footer**.
4358	Trending A trend function has been added that makes it possible to see how performance change over time. Read more on this in topic **Trending**.
4359	History A “history” function to quickly view old measurements is now available. Read more on this in topic **History**.
4360	Protection of templates It is now possible to protect a template from modification. Different levels of protection can be applied with a password. Read more on this in topic **Protection**.
4362	Links between analysis and cells in the grid Analysis can now show values from the grid and the grid can show values from the analysis. Read more on this in topics **Reference a value from the grid** and **Show a value from the analysis in the grid**.
4367	Icons that show waveform status, position check and hint are added to each row. Read more on this in topic
4374	Show mA and dose rate between cursors on the waveform data panel. Read more on this in topic **Waveforms**.
4378	Show waveform data in the grid It is now possible to get waveform data (from the waveform data panel) in a column in the grid. Read more on this in topic **Waveform data in a column**.
4394	New columns for measured vales during the window time New measured parameters have been added to make it possible to measure exposure, exposure rate, mA, mAs and light after a delay and within a window.
4395	Energy corrections for all mammography BQ have been added for R100b and Piranha Dose Probe.
4397	The number of significant digits for user formulas is increased.
4412	Free labels can now be modified. Read more on this in topic **Program options**.
4415	A new pass fail criteria is added to the Accuracy analysis. Read more on this in topic **Accuracy**.
4420	It is now possible to add a user-defined favorite des
4422	Selected screen layout (for a test) should adapt when user changes Ocean main window size.
4425	It is now possible to use the result user-formulas in another user-formula.
4426	It is now indicated in the tree when a template is set to “Favorite”. It is indicated in the template icon with a small yellow circle with a black border. Read more on this in the topic **Favorites**.

Issue #	Description
4427	A preview function is added to make it easier to find a session, test or real-time display in the database tree. Read more on this in topic **Measurements**.
4449	It is now possible to print only the cover page. Read more on this in topic **Reporting**.

Fixed problems

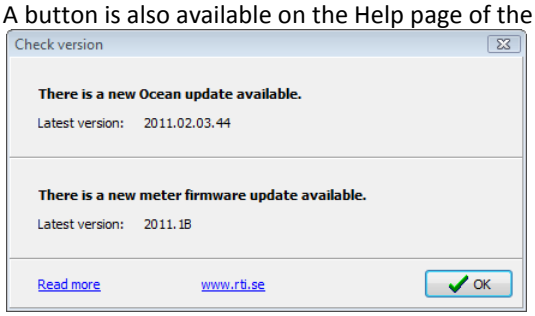
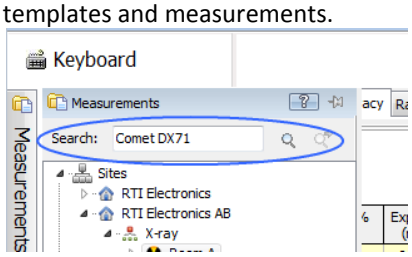
The following problems have been fixed:

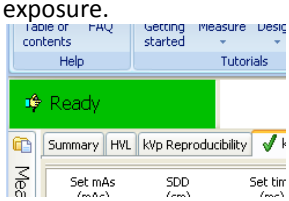
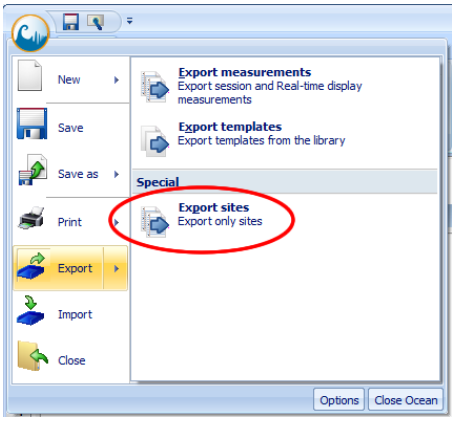
Issue #	Description
4373	Problem with the AEC analysis when using Set mAs.
4375	No calibration available when using Panoramic dental.
4386	Description of how to turn charging on/off is missing in the manual.
4387	User-defined equipment can be lost when dragged/dropped.
4388	Room “free text” #3 and #4 are not working.
4389	Imported sessions can go to the wrong facility.
4390	User-defined equipment cannot be found using search.
4391	Crash when importing to a session.
4392	“collect waveform” and “include waveform in report” doesn’t work properly.
4399	Incorrectly applied energy correction factors. Ocean has been using incorrect energy correction factors for the internal detector and for ion chambers. This may have introduced incorrect dose readings. The maximum inaccuracy this has introduced is ±5% for radiography, fluoroscopy, CT and ±10% for mammography.
4400	Date/time is not stored properly.
4402	“Overflow” when importing data from Ortigo.
4406	Not possible to link general setting to a spreadsheet.
4408	Date/time stamp is not correct when sending it to a spreadsheet.
4412	Default free text labels are not saved in the template.
4413	Open Office error after save: Unexpected exception.
4419	If a free workbook is already opened, an attempt to embed a workbook fails.
4424	Crash when measurement screen close.
4430	mA linearity analysis may not choose the first exposure for "set focal spot" and "set kV" analysis values.
4432	Favorites screen may not completely initialize if no favorites
4433	Favorites screen presentation interferes with main screen initialization
4434	Database field inconsistency.
4438	Session preview is missing the title.
4440	Hints not working for the memo editor.
4450	It should not be possible to create sub folders in the folder “RTI Examples”.
4457	AEC analysis crashing when rows are excluded.
4458	Prevent blank names in the database tree.
4492	Incorrect calculation of HVL.
4508	Finish button in the Checklist is not working

Version 2011.02.28.52

New features

The following new features have been added:

Issue #	Description
4264	When new rows are created automatically (after an exposure) in a real-time display, new links to a workbook are created automatically on the new rows if links are present on the previous row. The row index for the workbook is increased by "1" automatically. See help text section: *Main function -> Data link -> Link a cell to Excel (or Calc)*
4279	Make it easier to see the difference between row selection and cell selection. Row selection is now indicated with blue background and cell selection with white background. When editing a cell, the selected cell is marked with white background and a frame. It is also possible to select a range of cells by holding down the mouse button and moving the mouse pointer. See help text section: *Main function -> Data link -> Link a cell to Excel (or Calc)*
4266	Ocean checks automatically if a newer version is available. If a meter is connected, a check for newer firmware is done as well. If newer firmware or software is available a message is shown. A button is also available on the Help page of the ribbon bar to do the check manually.  See help text section: *Main function -> Help -> Check for update*
4178	A search function has been added to the Measurement and Library tab to make it easier locate templates and measurements.  See help text section: *Main function -> Measure -> Site*
4227	Two icons have been added for exported data (.ome and .ote files): These files are now associated with Ocean and it is possible to double click on the files to start Ocean automatically and import the file. See help text section: *Application menu -> Export* and *Application menu -> Import*
4254	When importing an Ortigo database, Ocean also searches for an XR database. "XR" is the Canadian version of Ortigo. See help text section: *Main function -> Help*
4249	Export of the waveform is now possible. Right-click on the waveform graph and select "Export" from the menu. See help text section: *Main function -> Measure -> Waveforms*
4231 3744	It is now possible to do export by right-clicking on items directly in the Library or Measurement database tree. Select an object or a folder and right-click and select "Export…" from the menu. If you select a folder all templates/measurements "below" that point are exported. See help text section: *Application menu -> Export*

Issue #	Description
4204	Background color for READY changed to green to better indicate when the meter is ready for an exposure. 
3996	New columns for AEC analysis have been added ("Field selection", "Meas O.D.", "Diff from mean O.D." and "Diff from ref O.D.") See help text section: *Main function -> Design -> Standard columns -> Testing* and *Main function -> Design -> Standard columns -> Other*
4008	Added AEC analysis. Six different AEC analyses have been added: AEC kV compensation AEC mA compensation AEC reproducibility AEC reciprocity AEC Field balance check AEC density correction See help text section: *Main function -> Design -> Analysis (Definitions)*
4095	Prevent from starting two Ocean instances. A message box is shown if user tries to start Ocean again if it is already running.
4165	A new column called "Result" has been added. This column is set by Ocean to pass or fail depending on the analysis result on each row. See help text section: *Main function -> Design -> Standard columns -> Testing*
4265	Added the possibility to exclude a column from the data export. Right-click on a column heading and select "Exclude from data export". The content in this column will not be exported to the workbook. See help text section: *Main function -> Data link -> Exclude a column*
4082	It is now possible to export/import sites including equipment. Export is done from the application button:  See help text section: *Application menu -> Export*
4182	Make it possible for users with a "Display" license to try the "Professional" or "Connect" with a meter. The possibility of getting a trial period (45 days) has been added. A button has been added to the ribbon bar (Help) to start the trial. It is always possible to run Ocean with any license level as long as no meter is used. The same button on the ribbon bar is used for this purpose. See help text section: *Main function -> Help -> Trial*

Issue #	Description
4222	When using a trial license, there is a risk that created objects are not possible to open after the trial period expires since opening certain objects will require the higher functionality. A warning has been added to avoid overwriting existing objects (created before the trial has started) during a trial period.
4296	The “Send support file” button on the Help page of the ribbon bar has been replaced by a new button called “Contact RTI”. This button has two sub choices: - Review - Make support file Use “Review” to suggest improvement or potential new functions. Use “Make support file” to send report of a problem. See help text section: *Main function -> Help*
4297	Added a new mode for sending data to a workbook (Excel or OpenOffice Calc). The exposure data for each exposure is sent to the workbook starting at the selected cell. See help text section: *Main function -> Data link -> Free workbook*
4329	The use of the arrow keys has been improved when editing values in the grid. See help text section: *Main function -> Measure -> Grid and General settings*

Fixed problems

The following problems have been fixed:

Issue #	Description
4271 4272	It is possible to click Next in the analysis wizard even if not all parameters are set correctly.
4276	It should not be possible to set cells in the exposure # column to “Don’t show value(s)”.
4263 4260	It should not be possible to open or import objects created with a newer version of Ocean. If that occurs, a message should be shown and the object is refused.
4241	Make sure that the mouse pointer indicates “busy” when Ocean is busy and user should wait to click and ask for further action from the software.
4200	Waveform is sometimes missing (this require also new firmware).
4251	HVL and Quick HVL analysis can crash.
4256	Crash when adding a hint to a checklist.
4253	Incorrect message is shown when exporting data to a protected cell in a workbook.
4243	Tree node--especially for equipment items may not sort correctly and/or may change order suddenly.
4191	The HVL column may incorrectly show “---“.
4238	Waveform is not saved for long exposures when the Capture button is used to take the measured data.
4226	Do not go back to default column widths after “Modify”.
4224	Not possible to make an exposure if the test has a user-defined column for measured values.
4239	Crash when importing sites from Ortigo if a facility name field is blank.
4229	The order, if modified with “drag-and-drop”, of parameters in the “General settings” is not saved.
4223	Formula evaluation (user-defined calculation column) can fail if more than one column or value has the same name.
4205	Crash when view a report.
3835	Problem when docking and undocking windows.

Issue #	Description
4208	“Range check error” after entering the license code
4207	Crash when clicking on the “Send data” button.
4201	Crash when working with Reproducibility, mA linearity and AGD analysis.
4194	Not possible to use dose rate for HVL measurement.
4034	An “empty” analysis should not generate a row in the report.
4189	Incorrect message shown if user tries to embed an open Excel file.
4187	Right justify doesn't work for user def column "Text (set)" and "Text (meas)"
4280	The parameters “Compr. Paddle”, “Added filtr.” and “Corr.fact.” may not work correctly if placed in General Setting at the same time and two dose detectors are used.
4281	Compression plate thickness value is missing for tubes import from Ortigo
4282	Cursor gets stuck in busy mode
4283	Crash when starting design of a checklist template
4284	Grid is not “grayed out” out when position check is active
4285	Disable grid and ribbon bar when doing position check
4291	Wrong detectors are shown in Detector selection
4294	Company name is wrong in the About box
4300	Text is missing in the hints for buttons on the Help page on the Ribbon bar
4302	Analysis calculated columns are transferred to workbook with auto send
4305	Crash when removing exposure column in a template with “mA linearity” analysis
4327	Set values in an existing column are sometimes erased when adding a column
4328	Adjust page meter settings are sometimes not reflecting what the meter is set to for CT modality
4331	Detector list cleared if you click Cancel in the Detector Selection dialogue
4332	Capture button is not working properly. When clicking Capture, the captured data are not “locked” in the grid.

Version 2010.12.15.38

New features

No new features.

Fixed problems

The following problems have been fixed:

Issue #	Description
4186	Document is closed and re-opened when doing “Save”. This is not necessary.
4193	In some situations, all tests/checklist in a session, can be lost when doing “Save”.

Version 2010.11.30.37

The following new features have been added:

Issue #	Description
4247	A function that makes it possible to load the license into the meter (Barracuda or a Pirahna). If Ocean is started with a meter that doesn’t have a license, Ocean will automatically detect this and ask for the license.

A feature to load the license into the Barracuda or Pirahna was added.

Version 2010.11.23.33

This was the first version of Ocean.